

FIG. 2

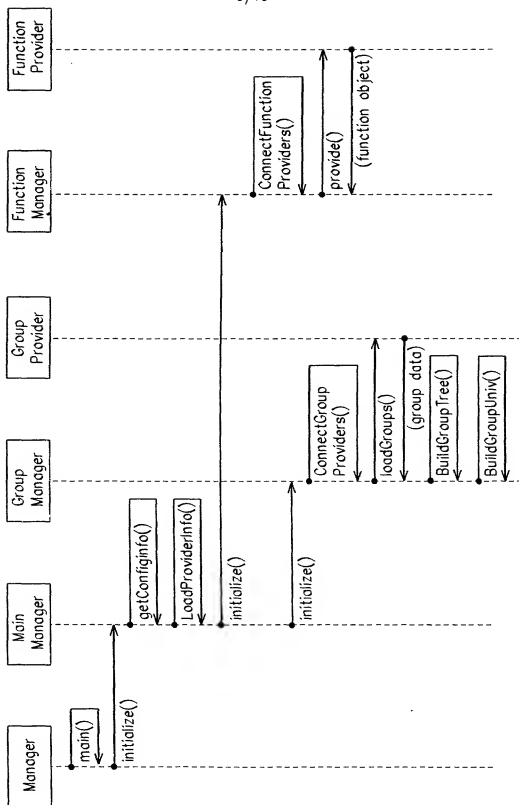


FIG. 3

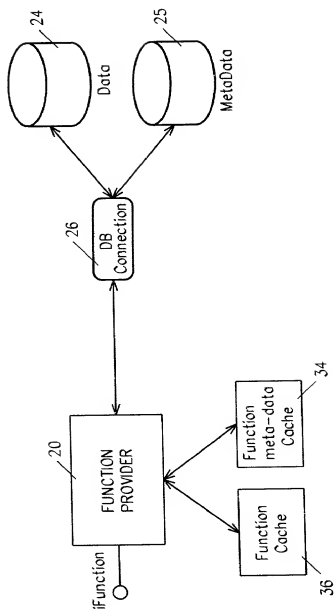


FIG. 4

Function Provider
StartUp

Function
Provider

1 : FunctionProvider()

2 : getConfigInfo ()

3 : getDBConnection ()

4 : loadMetaData ()

5 : createFunctionMetadataCache ()

6 : createFunctionDataCache ()

FIG. 5

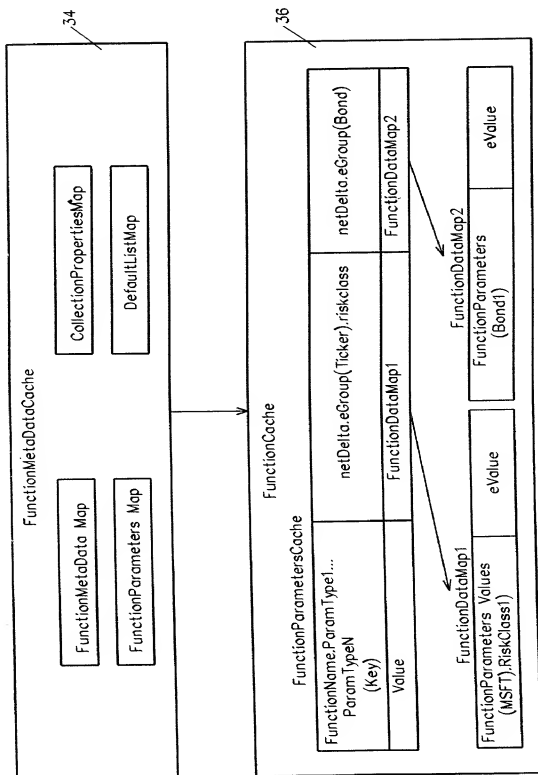


FIG. 6

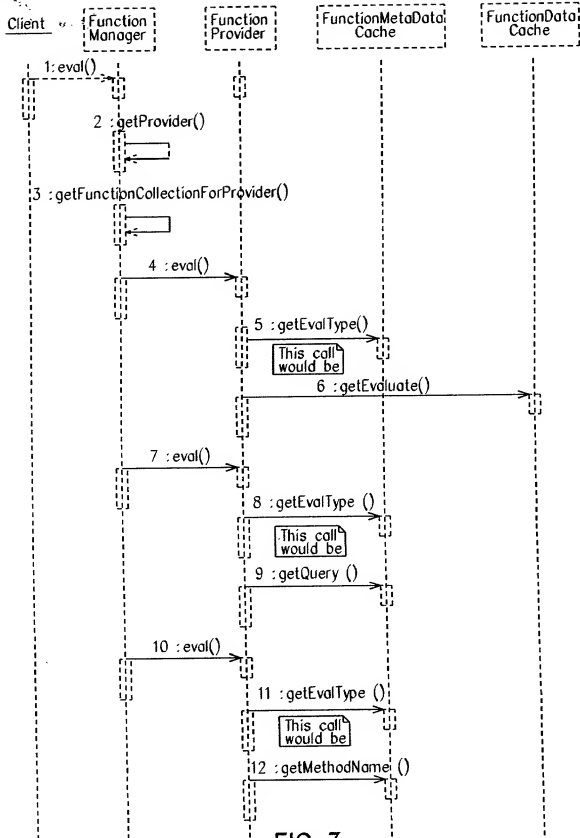


FIG. 7

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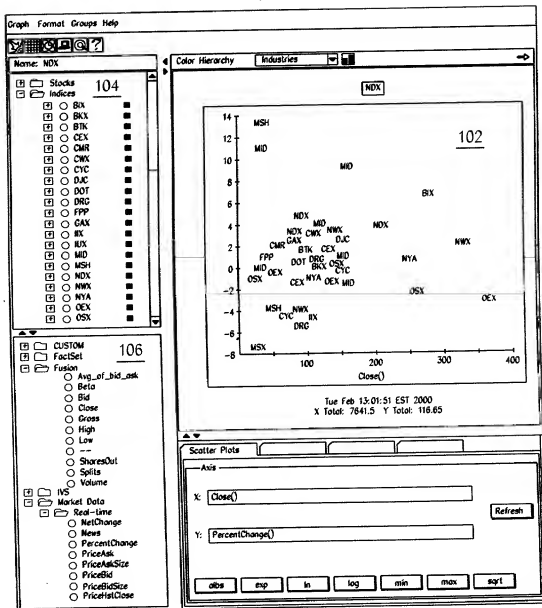


FIG. 8



FIG. 9(A)



FIG. 9(B)

[illegible]

FIG. 10(A)

The screenshot shows the SPY FINANCIAL application window. The 'Basic' tab is selected, displaying the 'Set Operations' section. The 'Retain' radio button is selected. 'Group 1' is set to 'Index.SPY' and 'Group 2' is set to 'Industry.FINANCIAL'. The 'Build' button is located at the bottom right of the main panel. The 'Detail' pane on the right lists 20 industry codes: AFL, AFS, AGC, AGI, ALL, ASD, AUC, BAC, BBT, BEI, BEH, BKB, BSC, C, CB, and CCR. The 'OK' button is at the bottom right of the window.

FIG. 10(B)